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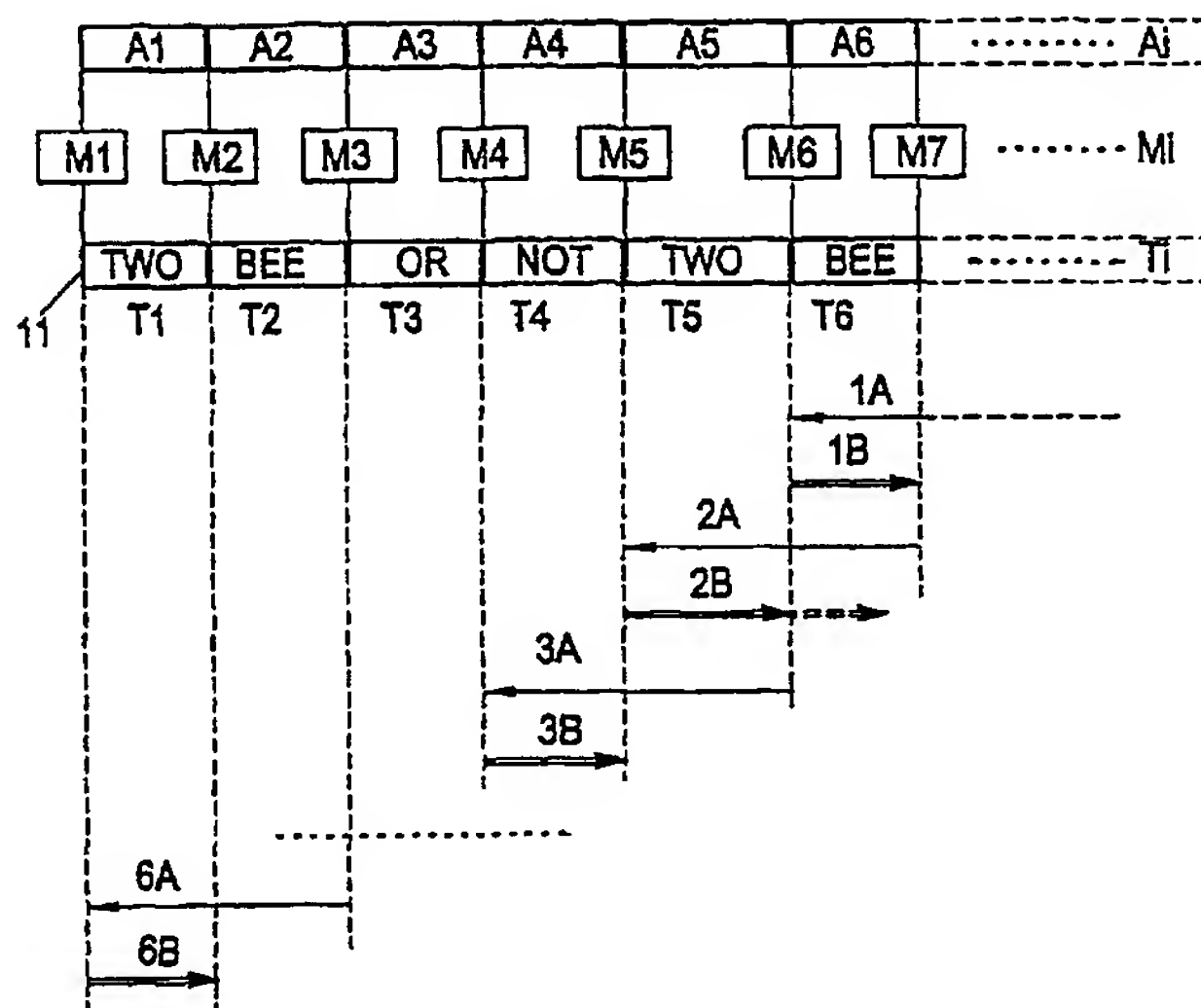
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(54) Title: ARRANGEMENT AND METHOD FOR REPRODUCING AUDIO DATA AS WELL AS COMPUTER PROGRAM PRODUCT FOR THIS



(57) Abstract: During the replaying of audio data (Ai) stored in memory means (19), which audio data (Ai) corresponds to text data (Ti) from a text composed of words, wherein the replaying of the audio data (Ai) in a forward mode and in a reverse mode can be controlled, starting from the particular momentary replay position in the audio data (Ai), a backward jump, counter to the forward sequence, over a return distance (1A, 2A, 3A, 6A) corresponding to the length of at least roughly two words, to a target position, is automatically initiated for the replaying of the audio data (Ai) in reverse mode, and then, starting from the particular target position, a replay of the audio data (Ai) in the forward sequence for just one part (1B, 2B, 3B, 6B) of the return distance is undertaken.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 875 448 A (BOYS DONALD R ET AL) 23 February 1999 (1999-02-23) figure 4 column 6, line 48 - column 7, line 10 column 8, line 35 - column 9, line 18 column 11, line 9 - column 17, line 29	1-20
X	US 4 519 057 A (HIGASHIHARA TERUAKI ET AL) 21 May 1985 (1985-05-21) figures 4a-4e column 1, line 51 - line 59 column 4, line 35 - column 5, line 21 column 6, line 44 - column 7, line 17	1,8



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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 597 483 A (SONY CORP) 18 May 1994 (1994-05-18) abstract column 2, line 19 - line 26 column 7, line 50 - column 8, line 2 column 10, line 31 - column 12, line 20 -----	1,8
A	US 2002/062214 A1 (HANSON GARY ROBERT) 23 May 2002 (2002-05-23) cited in the application the whole document -----	1-20
A	WO 01/46853 A (KONINKL PHILIPS ELECTRONICS NV) 28 June 2001 (2001-06-28) cited in the application the whole document -----	1-20

INTERNATIONAL SEARCH REPORT

PCT/IB 03/04497

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5875448	A	23-02-1999	WO	9815889 A2	16-04-1998
US 4519057	A	21-05-1985	JP	1687468 C	11-08-1992
			JP	3052153 B	09-08-1991
			JP	58035766 A	02-03-1983
			AU	553629 B2	24-07-1986
			AU	8724082 A	24-02-1983
			CA	1182561 A1	12-02-1985
			DE	3231089 A1	10-03-1983
			FR	2511800 A1	25-02-1983
			GB	2106305 A ,B	07-04-1983
			NL	8203261 A ,B,	16-03-1983
EP 0597483	A	18-05-1994	JP	3431030 B2	28-07-2003
			JP	6150550 A	31-05-1994
			CN	1090667 A ,B	10-08-1994
			DE	69317212 D1	09-04-1998
			DE	69317212 T2	09-07-1998
			EP	0597483 A1	18-05-1994
			KR	253042 B1	01-05-2000
			US	5553055 A	03-09-1996
US 2002062214	A1	23-05-2002	US	6457031 B1	24-09-2002
WO 0146853	A	28-06-2001	WO	0146853 A1	28-06-2001
			EP	1169678 A1	09-01-2002
			JP	2003518266 T	03-06-2003
			US	2001018653 A1	30-08-2001